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- Long, W. H. 1907.** The Phalloideae of Texas. (Mycol. Bull. V. p. 335—342.)
- Marcone, G. 1907.** Saccaromicosi delle fosse nasali del cavallo simulante la morva. (Atti Ist. Incoragg. Napoli, 6. LVIII. p. 1—8. 1 tav.)
- Mariani, G. 1907.** Contributo alla cecidologia italica. (Marcellia. VI. p. 62—67.)
- Morgan, A. P. 1907.** North American Species of Agaricaceae. The Melanosporae (cont.) (Journ. of Mycol. XIII. p. 246—255.) [Twenty-eight species of Psilocybe and seven species of Pilosace are described. Synonyms are given in each case. — Raymond J. Pool.]
- Murrill, W. A. 1907.** Leaf Blight of the Plane-Tree. (Journ. New York bot. Gard. VIII. p. 157—161.) [An account of the attack of Gloeosporium nervisequum Sacc. on Platanus occidentalis, P. racemosa, and P. orientalis growing in the New York Botanical Garden. — Raymond J. Pool.]
- Peck, C. H. 1907.** New species of Fungi. (Bull. Torrey bot. Club. XXXIV. p. 345—349.)
- Rota-Rossi, G. 1907.** Terza contribuzione alla micologia della provincia di Bergamo. (Atti Ist. Bot. Pavia. 2. XIII. p. 195—212.)
- Setchell, W. A. 1907.** Two new hypogaeous Secotiaceae. (Journ. of Mycol. XIII. p. 236—241.) [Diagnoses and descriptions are given of Secotium tenuipes sp. nov. and Elasmomyces russuloides sp. nov. collected in central California. A plate illustrative of the two species accompanies the article. — Raymond J. Pool.]
- Sheldon, J. L. 1907.** The taxonomy of a leaf-spot fungus of the apple and other fruit trees. (Torreya. VII. p. 142—143.) [Phyllosticta pirina Sacc. has been transferred to the genus Coniothyrium and the new name proposed is Coniothyrium pirina (Sacc.) Sheldon. — Raymond J. Pool.]
- Smith, G. D. 1907.** Sclerotinia tuberosa; tuberous Peziza. (Mycol. Bull. V. p. 327—329.)
- Smith, R. E. 1907.** The brown rot of the lemon, caused by Pytiacystis citrophthora. (Bull. agric. Expt. Stat. Sacramento. 1907. 70 pp. 29 fig. 1 col. pl.)
- Sumstine, D. R. 1907.** Moulds. (Mycol. Bull. V. p. 324—326.)

XI. Bacteriologie.

- Beijerinck, M. W. 1908.** Binding van vrije atmosferische stikstof door Azotobacter in reinkultuur. (Verslag kon. Ak. Wet. Amsterdam, 30 Mei 1908. p. 46—53.)
- Brudny, V. 1908.** Ueber die Beziehung zwischen der Färbbarkeit der Bakterien nach Gram und ihrer Permeabilität. (Cbl. Bakt. 2. XXI. 1/3. p. 62—80.)
- Burri, R. 1908.** Zu Prof. Dr. P. Lindners Bemerkungen über

- meine vorläufige Mitteilung betreffend die „Tuschepunktkultur“.
(Cbl. Bakt. 2. XXI. 1/3. p. 80—83.)
- Crithari, C. 1908.** Etude sur la symbiose du Bacille bulgare et du B. butyrique. (C. R. Soc. Biol. Paris. 1908. p. 818—820.)
- Dunschmann, H. 1908.** Recherches sur l'alimentation du bacille typhique. (C. R. Ac. Sc. Paris. CXLVI. 22. p. 1175—1177.)
- Dunschmann, H. 1908.** Sur la valeur nutritive de quelques peptones pour différentes espèces microbiennes. (C. R. Ac. Sc. Paris. CXLVI. 19. p. 999—1001.)
- Eisenberg, Ph. 1908.** Des leucocidines et hémolysines chez les anaérobies. (Ann. Inst. Pasteur. XXII. 5. p. 430—454. ill.)
- Ellis, D. 1908.** The phylogenetic connexions of the recent addition to the Thread Bacteria. (*Spirophyllum ferrugineum* [Ellis].) (Rept. british Ass. Leicester, 1907. p. 693.)
- Flemming. 1908.** Ueber die Arten und die Verbreitung der lebensfähigen Mikroorganismen in der Atmosphäre. (Zschr. Hyg. u. Infkr. LVIII. p. 345—386.)
- Guillemard, A. 1908.** Utilisation der solutions salines concentrées à la différenciation des Bactériacées. Séparation de *Bacillus typhosus* de *Bacterium coli*. (C. R. Ac. Sc. Paris. CXLVI. 22. p. 1177—1179.)
- Perotti, R. 1907.** Per una nota di G. De Rossi „Sui microorganismi produttori dei tubercoli radicali delle Leguminose“. (Malpighia. XXI. p. 255—262.)

XII. Lichenes.

- Galløe, O. 1908.** Danske Likeners Ökologi. (Bot. Tidsskr. XXVIII. 3. p. 285—372. tavle 3—17.)
- Hasse, H. E. 1908.** Lichens collected in the Tehacepi mountains, California. (Bryologist. XI. 3. p. 55—57.)
- Howe Jr., H. 1908.** Aspects of New England lichens. (Plant World. XI. p. 45—55. 6 fig.) [The first instalment of a series of non-technical papers to be devoted to the commoner New England lichens. The present paper deals with *Parmelia caperata* (L.) Ach. Following the description are paragraphs on distribution, various features connected with life history, rate of growth, etc. — Maxon.]
- Howe Jr., H. 1908.** Two additions to the lichen flora of the Blue Hills. (Rhodora. X. p. 35—36.) [*Parmelia caperata* and *Umbilicaria Muhlenbergii* are reported from the Blue Hills of Massachusetts. — Maxon.]
- Hue, Abbé 1908.** Lichens Tarbelliens. (Bull. Soc. bot. France LV. Mém. 12. p. 1—19.)

XIII. Bryophyten.

- Bryhn, N. 1908.** Ringerikes Moseflora ved Begyndelsen av det 20de Aarhundrede. (N. Mag. Natv. XLVI. 3. p. 229—288.)
- Campbell, D. H. 1908.** Collecting liverworts in Java. (Torreya. VIII. p. 103—110.) [A descriptive account of a collecting trip in the mountains of western Java for Hepaticae. The habitats and general characters of some of the rarer species as well as of the more conspicuous forms are discussed in some detail. — Maxon.]
- Cardot, J. 1908.** Mousses nouvelles du Japon et de Corée [suite]. (Bull. Herb. Boiss. 2. VIII. 5. p. 331—336.)
- Cardot, J. and I. Thériot. 1906.** On a small collection of mosses from Alaska. (Univ. California Public. Bot. II. p. 297—308. 2 pl.)
- Cheetham, C. H. 1908.** Mosses from Caudley, West Yorkshire. (Naturalist. 1908. 616. p. 193.)

- Collins, J. F. 1908.** Some mosses from Aroostook county, Maine. (*Rhodora*. X. p. 37—38.) [Four boreal mosses new to the state of Maine are listed upon specimens collected in southern Aroostook county, Maine. The general distribution of each is indicated. — Maxon.]
- Conard, H. S. 1908.** Acres of liverworts. (*Plant World*. XI. p. 64—64.) [Notes on the occurrence of several species of Hepaticae in abundance in various localities in the United States, with notes on especially favorable habitats. — Maxon.]
- Coppey, A. 1908.** Contribution à l'étude des Muscinées de la Grèce. (Nancy, 1908.)
- Dixon, H. N. 1908.** Mosses from the Canary islands. (*Journ. of Bot.* XLVI. 546. p. 184—186.)
- Evans, A. W. 1908.** *Lopholejeunea Muelleriana* in Florida. (*Bryologist*. XI. 3. p. 45—46.)
- Fleischer, M. 1908.** Grundlagen zu einer Monographie der Gattung *Stereohypnum* (Hpe.) [Anfang]. (*Hedwigia*. XLVII. 5. p. 271—288. ill.)
- Haynes, C. C. 1908.** Helpful literature for students of North American Hepaticae. (*Bryologist*. XI. p. 32—33.)

XIV. Pteridophyten.

Cf. II. Gwynne Vaughan; IV. Bower, Browne.

- Bacon, W. L. 1908.** The discovery of *Cryptogamma Stelleri* in Maine. (*Rhodora*. X. p. 35.) [*Cryptogramma Stelleri* (Gmel.) Prantl is reported from West Paris, Maine, a new record for the state of Maine. — Maxon.]
- Benedict, R. C. 1908.** Studies in the Ophioglossaceae. I—II. (*Torreyana*. VIII. p. 71—73; 100—103.)
- Campbell, D. H. 1908.** The prothallium of *Kaulfussia* and *Gleichenia*. (*Ann. Inst. bot. Buitenzorg*. XXII. 1. p. 69—102. pl. VII—XIV.)
- Clute, W. N. 1908.** A new fern. (*Amer. Bot.* XIV. p. 8—10.) [Notes on *Asplenium Ferrissii* Clute, discovered in Arizona by James H. Ferriss and recently described in the *Fern Bulletin*. — Maxon.]
- Clute, W. N. 1908.** A new fern from the United States. (*Fern Bull.* XVI. p. 1—2. 1 pl.) [*Asplenium Ferrissii* Clute, sp. nov., is described and illustrated from specimens collected in the Huachuca mountains, Cochise county, Arizona, by James H. Ferriss. October, 1907. — Maxon.]
- Clute, W. N. 1908.** But half a fern. (*Fern Bull.* XVI. p. 5—12. 1 fig.) [A popular account of the processes of reproduction in the Pteridophyta. — Maxon.]
- Clute, W. N. 1908.** Rare forms of ferns. VI. (*Fern Bull.* XVI. p. 12—13. 1 fig.) [Includes description and illustration of *Nephrodium cristatum* *Clintonianum* forma *silvaticum* Poyser, form nov., from Pennsylvania. — Maxon.]
- Clute, W. N. 1908.** The genus *Acrostichum*. (*Amer. Bot.* XIII. p. 97—99. 1 pl.) [A popular account of the genus *Acrostichum*. *A. alatum* (*Elaphoglossum alatum*) is figured. — Maxon.]
- Eaton, A. A. 1908.** Nomenclatorial changes in *Isoetes*. (*Rhodora*. X. p. 42.)
- Foster, A. S. 1908.** *Polypodium Scouleri*. (*Muhlenbergia*. IV. 2. p. 21.)
- Hans, A. 1908.** *Polystichum acrostichoides* × *angulare*. (*Fern Bull.* XVI. p. 14—15.) [A preliminary note of results in hybridizing *P. acrostichoides* with various forms of *P. angulare*. — Maxon.]

- Hans, A. 1908.** *Polystichum acrostichoides recurvatum*. (Fern Bull. XVI. p. 15). [Notes on the culture of this form. — Maxon.]
- Walter, E. 1907.** *Aspidium aculeatum* Swartz, ein neuer Farn in den Vogesen. (Mitt. philom. Ges. Elsass—Lothringen. III. p. 455—459.)
- Walter, E. 1907.** Die Farnpflanzen der Umgebung von Zabern. (Mitt. philom. Ges. Elsass—Lothringen. III. p. 547—581. ill.)

XV. Floristik, Geographie, Horticulturn und Systematik der Phanerogamen.

Cf. III. Gutenberg, Hay.

- Adamovic, L. 1908.** Neue Glieder der serbischen Flora. (Allg. bot. Zschr. XIV. 6. p. 85—87.)
- Ames, O. 1908.** Notes on *Habenaria*. (Rhodora. X. p. 70—71.)
- Anonymus. 1908.** Additions to the wild fauna and flora of the Royal Botanical Gardens, Kew: VII. II. Flora. (Bull. misc. Inform. roy. bot. Gards. Kew. 1908. 3. p. 125—127.)
- Anonymus. 1908.** Decades Kewenses. XLVII—XLIX. (Bull. misc. Inform. roy. bot. Gards. Kew. 1908. 3. p. 105—116. 4. p. 179—183.)
- Anonymus. 1908.** The giant talipot palm. (Trop. and sub trop. America. I. p. 154—155. 2 fig.)
- Arber, E. A. N. und J. Parkin. 1908.** Der Ursprung der Angiospermen. Uebersetzung a.d. Englischen von Dr. O. Porsch. [Schluss]. (Oesterr. bot. Zschr. LVIII. 5. p. 184—204. ill.)
- Ascherson, P. und P. Graebner. 1907/08.** Synopsis der Mitteleuropäischen Flora. Lfrg. 54—57. (Leipzig, W. Engelmann. 1907 und 1908.)
- Autran, E. 1907.** Les parcs nationaux argentins. (Bol. Min. Agr. Buenos Aires. 1907. 41 pp. 4 pl.)
- Autran, E. 1907.** Les Tropéolacées argentines et le genre *Magallana* Cav. (Trav. Mus. farm. Buenos Aires. 1907. 8 pp. 1 pl.)
- Baker, R. T. 1908.** On the validity of *Callitris Morrisoni*. (Proc. roy. Soc. Victoria. N. S. XX. 2. p. 104—106.)
- Barnard, F. G. A. 1908.** Excursion to launching place. (Victorian Nat. XXV. 1. p. 3—9.)
- Beauverd, G. 1908.** Société botanique de Genève. C. R. de la séance du 13 Avril 1908. (Bull. Herb. Boiss. 2. VIII. 5. p. 376—380.)
- Beeby, W. H. 1908.** On the flora of Shetland. (Ann. scottish nat. Hist. 1908. 66. p. 110—117.)
- Béguinot, A. 1908.** *Gypsophila Visianii* Bég., n. sp., ex Dalmatia. (Rep. nov. Spec. Regni veg. V. 85/90. p. 97.)
- Bell, W. 1908.** Charnwood Forest. (Rept. british Ass. Leicester, 1907. p. 683.)
- Belli, S. 1908.** Addenda ad floram Sardoam. (Ann. di Bot. VI. p. 523—534. 1 tav.)
- Belli, S. 1907.** I Hieracium di Sardegna. Rivista critica delle specie note dalla „Flora Sardoia“ di Moris e dal Catalogo di W. Barbey. — Specie nuove per la Sardegna e notizie sul *H. crinitum* Sibth. Sm. (Mem. Acc. Sc. Torino. 2. XLVII. p. 421—499. 3 tav.)
- Bennett, A. 1908.** *Calamagrostis strigosa*, Hartm. (Ann. scottish nat. Hist. 1908. 66. p. 124.)
- Bensemann, H. 1908.** Die Flora der Umgegend von Cöthen. (Progr. Cöthen, 1908. 40. 27 pp.)
- Berger, A. 1908.** Liliaceae-Asphodeloideae-Aloineae. (Das Pflanzenreich. 33. Heft. 347 pp. 141 Fig. 1 Taf. Leipzig, W. Engelmann, 1908.)

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- Brandeggee, T. S. 1908.** New species of Mexican plants. (Zoe. V. p. 244—262.)
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